DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE U.S. DEPARTMENT OF ENERGY

OPEN-FILE REPORT
OF 80-1247
SHEET 1 OF 3

G

WEST

POTTER MOUNTAIN

1	2	3	4	5	6	7	8	9
	3.0mi / 4.8km	0.4mi / 0.64km	0.6mi / 0.96km	IPF 1529 MCFD 1.8mi / 2.88km	0.4mi / 0.64km	1.2mi / 1.92km	0.3mi / 0.48km	1.2mi / 1.92km
	Caulkins Oil Company 21 - 28 H Federal NE¼ NW¼ sec. 28, T. 14 N., R. 102 W. KB 7701	J. L. Kemmer, Jr. 10 - 1 Federal SE¼ SE¼ sec. 10, T. 14 N., R. 102 W. KB 7308	Union Texas National Gas Corporation 1 Brooks Draw Unit SW¼ SW ¼ sec. 11, T. 14 N., R. 102 W. KB 7227	Jerry Chambers 1-11 Kemmer Federal SW¼ SE¼ sec. 11, T. 14 N., R. 102 W. KB 7090	British - American Oil Company 1 - Gov't Dymond NW¼ SE¼ sec. 7, T. 14 N., R. 101 W. KB 7252	Jack Grynberg & Assoc. 44 - 7A Keno Ranch SE¼ SE¼ sec. 7, T. 14 N., R. 101 W. KB 7251	Buttes Gas & Oil Company 1- 17 Foster Gov't NW¼ SE¼ sec. 17, T. 14 N., R. 101 W. KB 7538	Champlin Oil & Refining Company 1 Jaquith - Federal SE¼ NE¼ sec. 17, T. 14 N., R. 101 W. KB 7466	Jack Grynberg & Associates 42X - 16 Kent Ranch - State SE¼ NE¼ sec. 16, T. 14 N.,R. 101 W. KB 7665

ERA	SYSTEM	SERIES	FORMATION
CENOZOIC	TERTIARY	PALEOCENE	FORT UNION FORMATION
			LEWIS SHALE
			ALMOND FORMATION
			ERICSON SANDSTONE
			GROUP

DATUM

CANYON CREEK ZONE

RUSTY ZONE

TRAIL ZONE

FLUVIAL

FLUVIAL

LANCE FORMATION

FORT UNION FORMATION

FLUVIAL AND PALUDAL

FOX HILLS SANDSTONE

MARGINAL MARINE

MARINE SHALE

MARGINAL MARINE

J

J

MESOZOIC

CRETACEOUS

PPER CRETACEOUS

RDE

CENOZOIC

TERTIARY

PALEOCENE

ERA

SYSTEM

SERIES

FORMATION

ROCK SPRINGS FORMATION

GROUP

ERICSON SANDSTONE

ALMOND FORMATION

LEWIS SHALE

FORT UNION FORMATION

DATUM

TRAIL ZONE

RUSTY ZONE

CANYON CREEK ZONE

PAY ZONE

MARGINAL MARINE AND MARINE

FLUVIAL

FLUVIAL

LANCE FORMATION

MARGINAL MARINE

MARINE SHALE

FOX HILLS SANDSTONE

FLUVIAL AND PALUDAL

FORT UNION FORMATION

MARGINAL MARINE

MESOZOIC
CRETACEOUS
UPPER CRETACEOUS

MESAVERDE

BLAIR FORMATION

BAXTER SHALE

4000

5000

DEEPER PART OF LOG CUT OFF

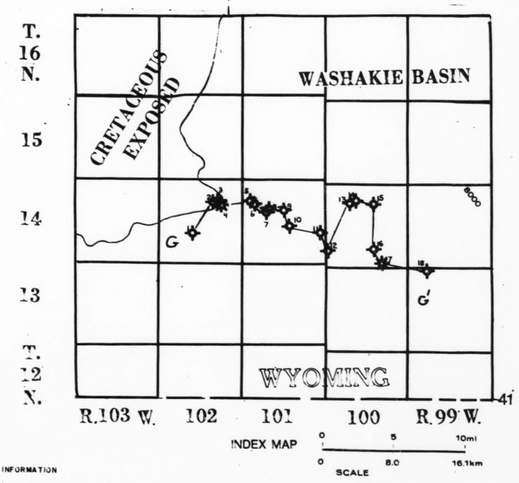
TD 8992

7000

8000

9000

DEEPER PART OF LOG CUT OFF



WELL LOCATION

SHEET: 1 1 - 9
2 10 - 18
3 DRILL STEM TEST INFORMATION

TYPES OF LOGS USED

Left curve - spontaneous potential

Right curves - resistivity and conductivity

FEET METERS

1000 300

500 150

0 0

VERTICAL SCALE

EXPLANATION

- Perforation Test-Gross interval
- Oil well
- Gas well
- Dry and abandoned well
- J- Correlatable stratigraphic horizon
- Unconformity
- Facies relationship and (or) formation contact, dashed where questionable, ? used to indicate higher degree of uncertainty
- 3 Indicates interval and number of drill-stem test in each hole
- Cored interval
- KB 6981- Elevation of Kelly bushing in feet
- *Marginal marine* - general environment of deposition for formation

REFERENCES

Smith, J. H., 1961, A summary of stratigraphy and paleontology, Upper Colorado and Montanan groups, southcentral Wyoming, northeastern Utah, and northwestern Colorado, in Wiloth, G. J., ed., Symposium on Late Cretaceous rocks, Wyoming and adjacent areas: Wyoming Geological Association 16th Annual Field Conference Guidebook, p. 101-112.

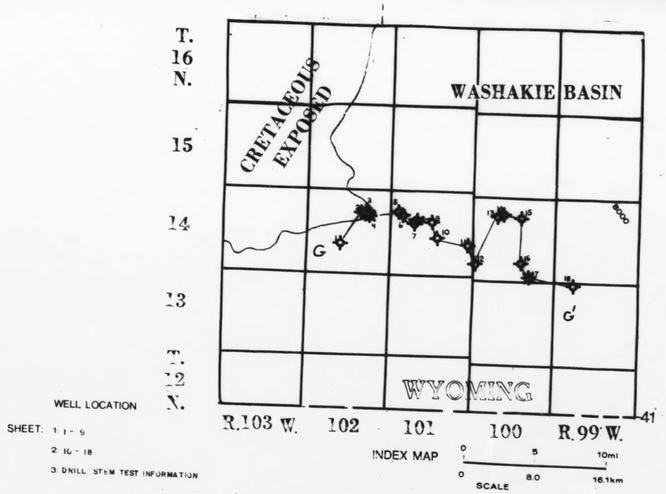
_____1965, A summary of stratigraphy and paleontology, Upper Colorado and Montanan groups, southcentral Wyoming, northeastern Utah, and northwestern Colorado, in De Voto, R. H., and Bitter, R. K., eds., Sedimentation of Late Cretaceous and Tertiary outcrops, Rock Springs Uplift: Wyoming Geological Association 19th Annual Field Conference Guidebook, p. 13-26.

Tyler, T. F., 1978a, Preliminary chart showing electric log correlation section A-A' of some Upper Cretaceous and Tertiary rocks, Washakie basin, Wyoming: U.S. Geological Survey Open-File Report 78-704, 4 pls.

_____1978b, Preliminary chart showing electric log correlation section B-B' of some Upper Cretaceous and Tertiary rocks, Washakie basin, Wyoming: U.S. Geological Survey Open-File Report 78-1053, 3 pls.

_____1979a, Preliminary chart showing electric log correlation section C-C' of some Upper Cretaceous and Tertiary rocks, Wamsutter Arch, Wyoming: U.S. Geological Survey Open-File Report 79-296, 3 pls.

_____1979b, Preliminary chart showing electric log correlation section D-D' of some Upper Cretaceous and Tertiary rocks, East flank Rock Springs Uplift, Wyoming: U.S. Geological Survey Open-File Report 79-1217, 4 pls.



WELL LOCATION

SHEET: 1 1 - 9

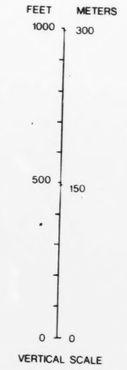
2 10 - 18

3 DRILL STEM TEST INFORMATION

TYPES OF LOGS USED

Left curve - spontaneous potential

Right curves - resistivity and conductivity



DEEPER PART OF LOG CUT OFF

EXPLANATION

- Perforation Test-Gross interval
- Oil well
- Gas well
- Dry and abandoned well
- J- Correlatable stratigraphic horizon
- Unconformity
- Facies relationship and (or) formation contact, dashed where questionable; ? used to indicate higher degree of uncertainty
- 3 Indicates interval and number of drill-stem test in each hole
- Cored interval
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_____1979b, Preliminary chart showing electric log correlation section D-D' of some Upper Cretaceous and Tertiary rocks, East flank Rock Springs Uplift, Wyoming: U.S. Geological Survey Open-File Report 79-1217, 4 pls.

PRELIMINARY CHART SHOWING ELECTRIC LOG CORRELATION SECTION G-G' OF SOME UPPER CRETACEOUS AND TERTIARY ROCKS, EAST FLANK ROCK SPRINGS UPLIFT, SWEETWATER COUNTY, WYOMING

BY

THEODORE F. TYLER

1980

best copy available

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SHEET 2 OF 3

PREPARED IN COOPERATION WITH THE U.S. DEPARTMENT OF ENERGY

TRAIL

Tie to D-D'(Tyler 1979 b)

Tie to H-H'(Tyler 1980)

EAST

G'

10		11		12		13		14		15		16		17		18
	1.0mi 1.6km		2.0mi 3.2km		1.6mi 2.56km		4.0mi 6.44km		0.4mi 0.64km		1.6mi 2.56km		3.6mi 5.76km		1.0mi 1.6km	IPF 1540 MCFD 3.6mi 5.76km

Signal Oil & Gas Company
Chicken Springs Unit
SE¼ NW¼ sec. 22, T. 14 N., R. 101 W.
KB 7360

General Petroleum
58 - 24 Unit
SW¼ SE¼ sec. 24, T. 14 N.,R. 101 W.
KB 7860

Argo Oil Company
1 Gov't - Hiawatha
SW¼ SW¼ sec. 30, T. 14 N., R. 100 W.
KB 7367

Apache Corporation
1 U.S. LORENZ - A
NW¼ NE¼ sec. 8, T. 14 N., R. 100 W.
KB 7482

Caulkins Oil Company
1 - 9 W Federal
NW¼ NW¼ sec. 9, T. 14 N., R. 100 W.
KB 7414

El Paso Natural Gas Company
1 - Gov't. KINNEY RIM
SW¼ NE¼ sec. 10, T. 14 N., R. 100 W.
KB 7235

Jack Grynberg & Associates
1 - 27 Federal Trail
SE¼ SW¼ sec. 27, T. 14 N., R. 100 W.
KB 7282

Mountain Fuel Supply Company
9 - Trail
NW¼ SW¼ sec. 35, T. 14 N., R. 100 W.
KB 7127

Mountain Fuel Supply Company
9 - Pioneer
NE¼ NW¼ sec. 5, T. 13 N., R. 99 W.
KB 7196

CONTACT FROM AMSTRAT DATA

ERA	SYSTEM SERIES	FORMATION
CENOZOIC	TERTIARY	
	EOCENE	WASATCH AND GREEN RIVER FORMATIONS UNDIVIDED
	PALEOCENE	FORT UNION FORMATION

MESOZOIC

CRETACEOUS

UPPER CRETACEOUS

PALEOCENE

FORT UNION FORMATION

LANCE FORMATION

FOX HILLS SANDSTONE

LEWIS SHALE

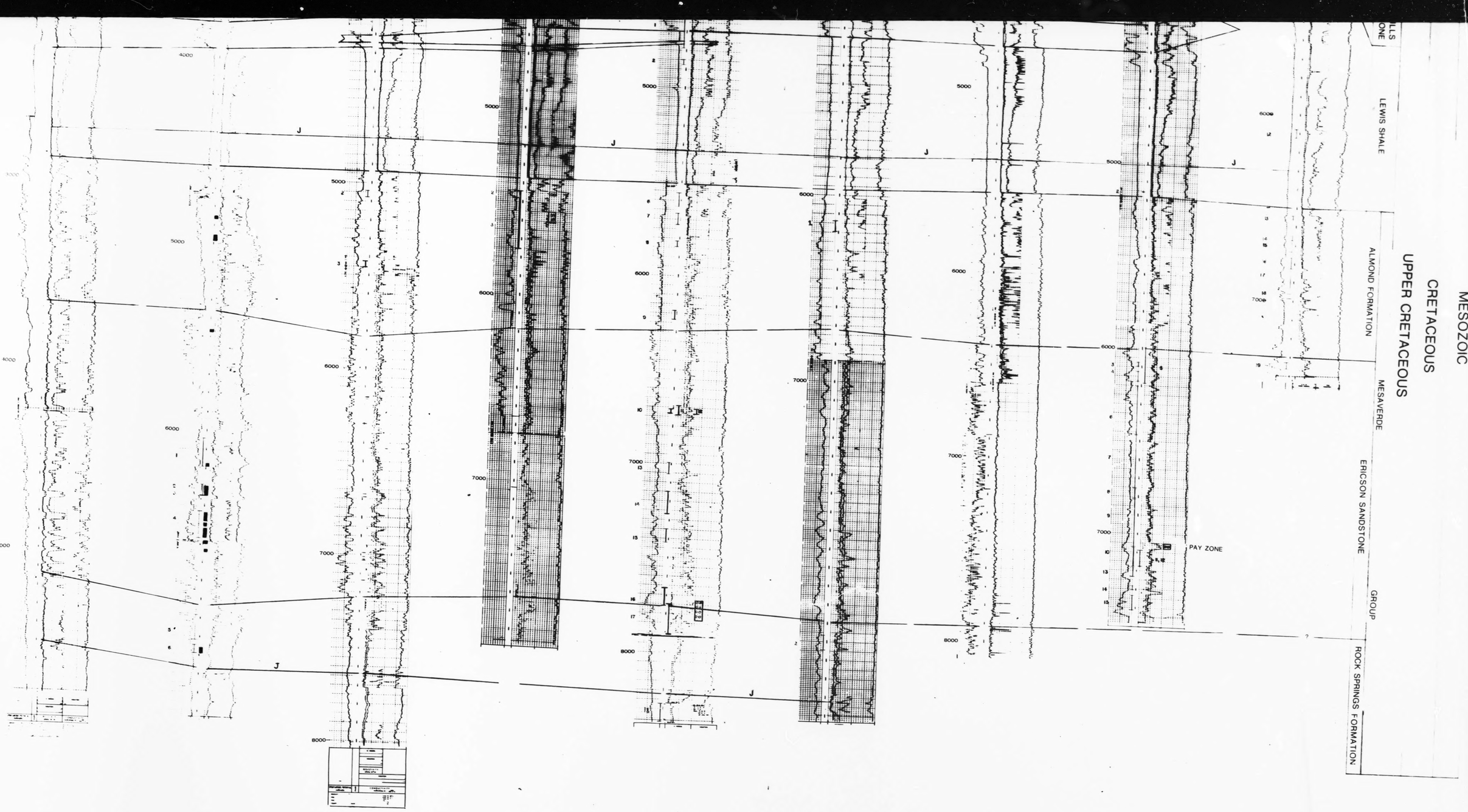
ALMOND FORMATION

MESAVERDE GROUP

ERICSON SANDSTONE

ROCK SPRINGS FORMATION

PAY ZONE



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SHEET 3 OF 3

Prepared in Cooperation with the U.S. Department of Energy

DRILL STEM TEST INFORMATION

Compiled from Petroleum Information Corporation
Well History Control System (WHCS) Data

EXPLANATION--DRILLING SYMBOLS AND ABBREVIATIONS

DST	Drill-stem test
WLT	Wireline test
GTS	Gas to surface
TSTM	Too small to measure
Rec	Recovered
BOPD	Barrels of oil per day
BWPD	Barrels of water per day
MCFD	Thousand cubic feet per day
BCPD	Barrels condensate per day
IPF	Initial production flow
FP	Flow pressure
FFP	Final flow pressure
SIP	Shut in pressure
ISIP	Initial shut in pressure
FSIP	Final shut in pressure
HP	Hydrostatic pressure
FHP	Final hydrostatic pressure
SOCM	Slightly oil cut mud
BRKHGCM	Brackish heavily gas cut mud
HG&DCM	Heavily gas and diesel cut mud
GCSWTR	Gas cut salt water
MWTR	Muddy water
SGCFWTR	Slightly gas cut fresh water
DCM	Diesel cut mud
G&MCW	Gas and mud cut water
MCFWTR	Mud cut fresh water
VHGCM	Very heavily gas cut mud
WC	Water cushion
WCO	Water cut oil
SWTR	Salt water
GCM	Gas cut mud
SMCO	Slightly mud cut oil
SOCW	Slightly oil cut water
SGCMW	Slightly gas cut muddy water
G&OCM	Gas and oil cut mud
SGCW	Slightly gas cut water
HGCSOCM	Heavily gas cut slightly oil cut mud
WTR	Water
HGCM	Heavily gas cut mud
FRAC	Hydraulic fracturing
DCO	Diesel-oil-cement squeeze
STRD	Straddle packer
SOFR	Sand-oil fracturing
SWFR	Sand-water fracturing
MCW	Mud cut water
FWTR	Fresh water
GCMW	Gas cut muddy water
G&DCMW	Gas and diesel cut muddy water
SGCM	Slightly gas cut mud
G&WCM	Gas and water cut mud
HWCM	Heavily water cut mud
BRKW	Brackish water
SMCW	Slightly mud cut water
WCM	Water-cut mud

◇	Dry and abandoned well
☼ From the Almond	Gas well--Shows producing formation
✱ Abd. 1969	Abandoned producing well--Shows date abandoned
●	Oil Well
KB 3350	Kelley bushing, elevation in feet
DF 3350	Derrick floor, elevation in feet
TD 3317	Total depth of well in feet
›I	Drill-stem test interval
▮	Cored interval

METRIC EQUIVALENTS

1 ft = 0.305 m
1 psi = 7.03×10^{-2} Kg per cm^2
1 BOPD = 159 liters of oil per day
1 MCFD = 28.32 m^3 per day
1 BWPD = 159 liters of water per day

SHEET 1

1

DST 01
2006-2218ft
Rec 190ft DCM, 780ft MCFWTR
FP 185-497 psi
ISIP 729 psi/100 min
FSIP 185 psi/127 min
FHP 1041 psi

DST 02
2247-2320ft
Rec 300ft WCM
FP 81-133 psi
ISIP 489 psi
FSIP 159 psi/60 min
FHP 1129 psi

DST 03
2352-2406ft
Rec 135ft WCM, 240ft MCW
Rec 1005ft FWTR
FP 133-600 psi
ISIP 809 psi/30 min
FSIP 782 psi/90 min
FHP 1220 psi

DST 04
3198-3243ft
Rec 240ft HGCM, 770ft FWTR
FP 119-834 psi
ISIP 1779 psi/30 min
FSIP 1774 psi/60 min
FHP 2740 psi

DST 05
3700-3768ft
Rec 185ft G&WCM, 280ft G&MCW
FP 96-219 psi
ISIP 1200 psi
FSIP 1086 psi
HP 1932-1917 psi

2

No DST or Completion Data

3

DST 01
8714-8737 ft
Misrun

DST 02
8703-8735 ft
Rec 230ft MUD
FP 132-132 psi
ISIP 2304 psi/30 min
FSIP 2168 psi/30 min
HP 4258-4244 psi

DST 03
2820-2848 ft
GTS 9 min 8 MCFD
Rec 940ft G&DCMW, 360ft MCW
FP 110-560 psi
ISIP 1100 psi/30 min
FSIP 965 psi/60 min
HP 1360-1350 psi

Perforation Tests

2820-2848ft

4

No DST's

Perforation Test

2961-2972ft

	43,000 gals
SWFR	102,000 lbs sand
IPF	1529 MCFD

5

DST 01
3693-3754ft
GTS 32 min 516 MCFD,
GTS Decrease to TSTM
Rec 270ft GCM
FSIP 1575 psi/30 min
FHP 1800 psi

6

No DST or Completion Data

7

DST 01
1454-1487ft
Rec 150ft MUD, 440ft BRKW
FP 62-251 psi
ISIP 356 psi/30 min
FSIP 317 psi/45 min
HP 778-778 psi

DST 02
2541-2563ft
Rec 5ft MUD
FP 46-52 psi
ISIP 881 psi/36 min
FSIP 742 psi/24 min
HP 1368-1368 psi

8

DST 01
3925-3962ft
Rec 180ft MUD, 180ft SMCW
Rec 170ft FWTR
No Pressures Reported

9

DST 01
6354-6379ft
GTS 4 min 1626 MCFD,
GTS 105 min 1552 MCFD
Rec 570ft HGCSOCM, 600cc GCM
Rec 1700cc Gas
FP 520-529 psi, 529-362 psi
ISIP 2939 psi/120 min
FSIP 2589 psi/240 min
HP 3208-3092 psi

DST 02
7446-7480ft
Rec 60ft MUD, 2100cc SOCM
FP 67-81 psi, 81-81 psi
ISIP 229 psi/120 min
FSIP 175 psi/120 min
HP 3633-3592 psi

DST 03
11,402-11,450ft
GTS 50 min 39 MCFD
Rec 2000ft WCM, 130ft WCM
FP 948-928 psi, 884-928 psi
ISIP 3712 psi
FSIP 3533 psi
HP 6116-6056 psi

DST 04
11,376-11,480ft
Misrun

DST 05
11,345-11,465ft
GTS 13 min
Rec 223ft BRKHGCM, 2208ft HGCM
Rec 960ft VHGCM, 1100cc HGCM
Rec 1400cc sand and shale
FP 178-178 psi, 331-357 psi
No SIP Reported
HP 5757-5730 psi

SHEET 2

10

No DST or Completion Data

11

DST 01
6050-6191ft
Rec 1540ft SGCM
FP 400-825 psi
No SIP Reported
FHP 2375 psi

DST 02
6288-6345ft
Rec 235ft GCM
FFP 350 psi
FHP 2645 psi

DST 03
6297-6345ft
GTS 5 min
Rec 725ft HG+DCM
No SIP Reported

DST 04
6430-6537ft
GTS 66 min 1520

12

DST 01
2160-2254ft
Rec 90ft MUD
FP 30-30 psi
ISIP 730 psi/30 min
FSIP 645 psi/30 min
HP 1110-1110 psi

DST 02
3042-3077ft
GTS 5 min, 10 min 48 MCFD
GTS 15 min 59 MCFD, 20 min 63 MCFD
GTS 30 min 88 MCFD, 45 min 12 MCFD
Rec 70ft GCM
FP 23-48 psi, 23-47 psi
ISIP 1117 psi/30 min
FSIP 1290 psi
HP 2639-2618 psi

DST 03
5421-5457ft
Rec 20ft MUD

13

DST 01
3991-4020ft
Rec 40ft MUD
FP 12-15 psi
ISIP 88 psi/30 min
FSIP 103 psi/60 min
HP 2010-1990 psi

DST 02
5442-5480ft
GTS 0 min 132 MCFD
GTS 105 min 164 MCFD
FP 22-42 psi
ISIP 1965 psi/30 min
FSIP 2012 psi/60 min
HP 2775-2754 psi

DST 03
5442-5755ft
GTS 72 min 2 MCFD
GTS 27 min 25 MCFD
GTS 37 min 2.7 MCFD

14

DST 01
4616-4787ft
Rec 182ft WCM, 1638ft SWTR
FP 80-137 psi, 90-869 psi
ISIP 1719 psi/30 min
FSIP 1608 psi/60 min
HP 2306-2180 psi

DST 02
4850-4876ft
Rec 5ft MUD
FP 13-11 psi, 13-15 psi
ISIP 15 psi/30 min
FSIP 15 psi/45 min
HP 2353-2285 psi

DST 03
5578-5613ft
Misrun

DST 04
5575-5631ft

DST 12
6706-6731ft
Rec 30ft MUD
FP 47-40 psi, 66-46 psi
ISIP 394 psi/30 min
FSIP 938- psi/60 min
HP 3260-3236 psi
Misrun, reopened, fair blow decr. to weak

DST 13
6995-7054ft
Rec 25ft MUD
FP 48-34 psi
ISIP 0
FSIP 367 psi/60 min
HP 3353-3338 psi

DST 14
7150-7270ft
GTS 17 min, 30 min 10.2 MCFD
Rec 180ft GCM
FP 93-96 psi

15

DST 01
6138-6194ft
GTS 3 min 180 MCFD
GTS 100 min 15 MCFD
Rec 190ft GCM
FP 44-84 psi
ISIP 2124 psi/45 min
FSIP 1230 psi/60 min
HP 3118-3008 psi

DST 02
8364-8444ft
GTS 9.4 MCFD
Rec 440ft G&WCM
FP 214-214 psi
ISIP 2077 psi/60 min
FSIP 1553 psi/120 min
HP 3803-3775 psi

16

No DST or Completion Data

10

No DST or Completion Data

11

DST 01
6040-6191ft
Rec 1260ft SGCM
FP 400-825 psi
No SIP Reported
FHP 2375 psi

DST 02
6288-6345ft
Rec 735ft GCM
FFP 350 psi
FHP 2645 psi

DST 03
6242-6345ft
GTS 5 min
Rec 720ft HGCM
No SIP Reported

DST 04
6430-6722ft
GTS 66 min ISTM
Rec 1340ft SGCM, 1110ft HGCM
FSIP 2805 psi/60 min
FHP 2285 psi

DST 05
6985-7115ft
Rec 260ft SGCM
FSIP 212 psi/30 min

DST 06
7148-7190ft
Rec 20ft MUD
FFP 25 psi
FSIP 25 psi/30 min

12

DST 01
2160-22--ft
Rec 90ft MUD
FP 30-50 psi
ISIP 750 psi/30 min
FSIP 645 psi/30 min
HP 1110-1110 psi

DST 02
5042-5077ft
GTS 5 min, 10 min 48 MCFD
GTS 15 min 59 MCFD, 20 min 63 MCFD
GTS 30 min 88 MCFD, 45 min 12 MCFD
Rec 70ft GCM
FP 25-48 psi, 23-47 psi
ISIP 1117 psi/30 min
FSIP 1290 psi
HP 2639-2618 psi

DST 03
5421-5457ft
Rec 20ft MUD
FP 20-20 psi
ISIP -49 psi/30 min
FSIP 150 psi/30 min
HP 2820-2820 psi

13

DST 01
3991-4020ft
Rec 40ft MUD
FP 12-15 psi
ISIP 88 psi/30 min
FSIP 103 psi/60 min
HP 2010-1990 psi

DST 02
5442-5480ft
GTS 0 min 132 MCFD
GTS 105 min 164 MCFD
FP 22-42 psi
ISIP 1965 psi/30 min
FSIP 2012 psi/60 min
HP 2775-2754 psi

DST 03
5442-5755ft
GTS 72 min 2 MCFD
GTS 27 min 25 MCFD
GTS 57 min 2.7 MCFD
Rec 2500ft GCM
FR 635-1086 psi
ISIP 2380 psi/37 min
FSIP 2195 psi/121 min
HP 2632-2607 psi

Perforation Tests:

5549-5552ft
5560-5563ft
5588-5604ft

5440-5444ft
5446-5448ft
5455-5462ft

SOFR 20,000 gals
20,000 lbs. sand

14

DST 01
4616-4787ft
Rec 182ft WCM, 1638ft SWTR
FP 80-137 psi, 90-849 psi
ISIP 1719 psi/30 min
FSIP 1608 psi/60 min
HP 2306-2180 psi

DST 02
4850-4876ft
Rec 5ft MUD
FP 13-11 psi, 13-15 psi
ISIP 15 psi/30 min
FSIP 15 psi/45 min
HP 2353-2285 psi

DST 03
5578-5613ft
Misrun

DST 04
5575-5631ft
Misrun

DST 05
5571-5631ft
Misrun

DST 06
5560-5631ft
GTS 9 min, 60 min 4.5 MCFD
Rec 420ft HGCM
FP 258-228 psi, 237-240 psi
ISIP 1529 psi/30 min
FSIP 1750 psi/60 min
HP 2699-2672 psi
Gauged 29.4 MCFD, 90 min
Gauged 16.5 MCFD, 135 min
Steady 16.9 MCFD 180 min

DST 07
5669-5729ft
Rec 1000ft GCM, 2629ft GCMW
FP 1026-1104 psi, 1106-1810 psi
ISIP 2464 psi/20 min
FSIP 2352 psi/60 min
HP 2612-2514 psi

DST 08
5816-5844ft
GTS 80 min 13.8 MCFD
Rec 180ft GCM, 2756ft GCSWTR
FP 174-282 psi, 245-1278 psi
ISIP 2209 psi/30 min
FSIP 2027 psi/46 min
HP 2792-2719 psi

DST 09
6185-6232ft
Rec 90ft MUD
FP 58-56 psi, 51-51 psi
ISIP 102 psi/30 min
FSIP 89 psi/60 min
HP 2978-2974 psi

DST 10
6710-6731ft
Rec 35ft MUD
FP 27-35 psi, 139-88 psi
ISIP 1918 psi/30 min
FSIP 855 psi/50 min - Pressure failed in 50 min
HP 3262-3240 psi

DST 11
6691-6741ft
Rec 90ft MUD
FP 47-59 psi
ISIP 0
FSIP 693 psi/60 min
HP 3253-3212 psi

DST 12
6706-6731ft
Rec 30ft MUD
FP 47-60 psi, 66-46 psi
ISIP 394 psi/30 min
FSIP 938- psi/60 min
HP 3260-3236 psi
Misrun, reopened, fair blow decr. to weak

DST 13
6995-7054ft
Rec 25ft MUD
FP 48-34 psi
ISIP 0
FSIP 367 psi/60 min
HP 3353-3338 psi

DST 14
7150-7270ft
GTS 17 min, 30 min 10.2 MCFD
Rec 180ft GCM
FP 93-96 psi
ISIP 0
FSIP 1432 psi/60 min
HP 3461-3414 psi

DST 15
7350-7420ft
GTS 40 min ISTM
Rec 100ft SGCM
FP 108-108 psi
ISIP 0
FSIP 1891 psi/120 min
HP 3638-3579 psi

DST 16
7665-7757ft
GTS 17 min
Rec 450ft GCM
FP 74-202 psi
ISIP 0
FSIP 2939 psi/120 min
HP 3715-3664 psi

DST 17
7750-7907ft
GTS 4 min 1091 MCFD, 100 min 680 MCFD
Rec 270ft GCM
FP 425-216 psi
ISIP 0
FSIP 2746 psi/45 min
HP 3761-3736 psi

DST 18
8271-8357ft
Rec 30ft MUD
FP 56-47 psi
ISIP 78 psi/30 min
FSIP 52 psi/60 min
HP 4031-3990 psi

Perforation Tests:
7727-7739ft
7745-7761ft
7809-7817ft
7821-7831ft

FRAC 3,000 gals diesel
3,000 lbs sand

15

DST 01
6138-6194ft
GTS 3 min 180 MCFD
GTS 100 min 15 MCFD
Rec 190ft GCM
FP 44-84 psi
ISIP 2124 psi/45 min
FSIP 1230 psi/60 min
HP 3118-3008 psi

DST 02
8364-8444ft
GTS 9.4 MCFD
Rec 440ft G&WCM
FP 214-214 psi
ISIP 2077 psi/60 min
FSIP 1553 psi/120 min
HP 3803-3775 psi

16

No DST or Completion Data

17

DST 01
3894-3917ft
Rec 20ft MUD
FP 15-15 psi
FSIP 45 psi/60 min

DST 02
5152-5157ft
Rec 20ft MUD
FP 15-15 psi
FSIP 15 psi/30 min

DST 03
6075-6097ft
Rec 15ft MUD
FFP 15 psi
FSIP 15 psi/60 min

DST 04
6125-6178ft
GTS 7 min
Rec 580ft GCM
FP 165-210 psi
FSIP 1265 psi/60 min

DST 05
5996-6186ft
GTS 40 min
Rec 91ft MUD, 4540ft SWTR
FP 420-1970 psi
FSIP 2320 psi/60 min

DST 06
6203-6462ft
Rec 180ft MUD
FP 95-105 psi
No SIP Reported
FHP 2935 psi

DST 07
6467-6752ft
Rec 200ft SGCM
FP 135-195 psi
No SIP Reported
FHP 3140 psi

DST 08
6757-6808ft
Rec 20ft MUD
FFP 20 psi
FSIP 350 psi/60 min

DST 09
6813-7070ft
GTS 123 MCFD
Rec 720ft GCM
FFP 285 psi
FSIP 279 psi/60 min
FHP 3255 psi

DST 10
7075-7178ft
GTS 98 MCFD
Rec 1890ft GCM
FP 165-875 psi
FSIP 3295 psi/30 min

DST 11
7090-7178ft
Rec 210ft SGCM
FP 75-90 psi
FSIP 515 psi

DST 12
7090-7178ft
Rec 210ft SGCM
FP 75-90 psi
FSIP 515 psi

DST 13
7183-7231ft
GTS 19 MCFP
Rec 120ft MUD
FP 45-60 psi
FSIP 1535 psi

DST 14
7281-7303ft
GTS 913 MCFD
Rec 10ft GCM
FFP 20 psi
FSIP 2880 psi/30 min.

DST 15
7334-7412ft
GTS 6 MCFD
Rec 68ft GCM, 270ft MCW
FP 95-210 psi
FSIP 2975 psi/60 min

Perforation Test:
SOFR, SWFR
7050-7080ft IPF 1540 MCFD

18

DST 01
1326-1356ft
Rec 985ft SGCFWTR
FP 65-315 psi
ISIP 454 psi/30 min
FSIP 458 psi/60 min

DST 02
1448-1488ft
Rec 1178ft SWTR
FP 251-421 psi
ISIP 521 psi/30 min
FSIP 523 psi/60 min

DST 03
2820-2900ft
Rec 240ft MWTR, 570ft FWTR
FP 77-241 psi
ISIP 1027 psi/30 min
FSIP 1076 psi/60 min

DST 04
3010-3035ft
Rec 270ft MWTR, 1885ft FWTR
FP 101-514 psi
ISIP 1184 psi/30 min
FSIP 1184 psi/60 min

DST 05
3159-3214ft
Rec 1080ft SWTR, 270ft MWTR
FP 67-305 psi
ISIP 1249 psi/30 min
FSIP 1251 psi/60 min

PRELIMINARY CHART SHOWING ELECTRIC LOG CORRELATION SECTION G-G´ OF SOME UPPER CRETACEOUS AND TERTIARY ROCKS, EAST FLANK, ROCK SPRINGS UPLIFT, SWEETWATER COUNTY, WYOMING

BY

THEODORE F. TYLER

1980

best copy available